# Cytometer Performance Report

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|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 01/04/2017 11:09 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 07/29/2016 03:45 PM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124447 | -1 | 1.66 | 124291 | 1.63 |
| Blue | F | SSC | 125000 | 123357 | -2 | 2.98 | 123575 | 2.73 |
| Blue | E | FITC | 22946 | 22368 | -3 | 2.31 | 994 | 9.86 |
| Blue | D | PE | 28770 | 28186 | -3 | 1.92 | 1010 | 9.31 |
| Blue | B | PerCP-Cy5-5 | 51099 | 50299 | -2 | 3.21 | 1449 | 16.37 |
| Blue | A | PE-Cy7 | 42312 | 42022 | -1 | 4.92 | 655 | 34.67 |
| Red | C | APC | 52169 | 51110 | -3 | 2.86 | 2944 | 9.37 |
| Red | A | APC-Cy7 | 56705 | 55482 | -3 | 2.87 | 1158 | 11.18 |
| Violet | B | V450 | 14708 | 14042 | -5 | 4.60 | 671 | 9.19 |
| Violet | A | V500 | 58608 | 57224 | -3 | 4.39 | 2531 | 6.64 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 19480 | 5.39 | 601 | 3 | N/A | N/A | Pass |
| Blue | F | SSC | 61363 | 1.54 | 532 | 14 | N/A | N/A | Pass |
| Blue | E | FITC | 112 | 36.63 | 537 | 6 | 0.0223 | 98 | Pass |
| Blue | D | PE | 223 | 28.07 | 533 | 7 | 0.1849 | 278 | Pass |
| Blue | B | PerCP-Cy5-5 | 231 | 43.21 | 630 | 8 | 0.0108 | 104 | Pass |
| Blue | A | PE-Cy7 | 72 | 113.22 | 679 | 8 | 0.0123 | 11 | Pass |
| Red | C | APC | 344 | 27.68 | 593 | 3 | 0.0210 | 96 | Pass |
| Red | A | APC-Cy7 | 128 | 39.71 | 578 | 2 | 0.0056 | 1607 | Pass |
| Violet | B | V450 | 81 | 41.90 | 462 | 3 | 0.0480 | 1941 | Pass |
| Violet | A | V500 | 184 | 22.81 | 491 | 3 | 0.0160 | 673 | Pass |

## Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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| Input Device: | Carousel | Date: | 01/04/2017 11:09 AM |
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## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Spec. (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -31.32 | -30.83 | 0.89 |
| Blue | 20.34 | 16.27 - 24.41 | 1.26 | 0.99 - 1.49 | 0.00 | 0.00 | 1.32 |
| Red | 15.53 | 13.27 - 19.91 | N/A | N/A | 30.98 | 31.47 | 1.15 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

## Threshold

Threshold (FSC): 10206

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments